

Internal combustion engine operating method involves regulating lambda values of individual cylinders/groups to different demand values using I- and/or D-regulating components

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Abstract of DE19903721

The method involves cylinder-selective regulation of the fuel-air combustion mixture in an internal combustion engine (1), whereby the lambda values for different cylinders or groups of cylinders are separately detected and regulated (8). The lambda values of the individual cylinders or groups are regulated simultaneously to different demand values using an integrating I-regulating component with variable integration gradient and/or a differentiating D-regulating component. An independent claim is also included for a multi-cylinder internal combustion engine with lambda regulation.

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